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MONTANA OIL AND GAS STATISTICAL BULLETIN

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BOARD OF OIL AND GAS CONSERVATION
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Vol. XX, No. 12 — 66 — DECEMBER, 1972

Production of crude oil and condensate from the oil and gas areas of Montana for the month of December, 1972, averaged 93,433 barrels daily, an increase of 152 barrels from the average November, 1972 production of 93,281.

The nine refineries in the state processed 141,153 barrels of crude oil daily for the month of December, 1972, an increase of 3,682 barrels from the 137,471 barrels processed daily during the month of November, 1972.

During December, 78 wells were completed, 12 oil, 13 gas and 53 dry holes.

During December the commission issued 46 permits to drill new wells, a decrease of 32 from the 78 permits issued during November.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF DECEMBER, 1972

IN STORAGE DECEMBER 1st	
By Producers	298,814
By Transporters	1,316,022
By Refiners	1,185,437
TOTAL STORAGE	2,800,273
Produced in Montana During Month	2,896,431
Imported During Month	3,569,961
TOTAL	9,266,665
DISPOSITION:	
Refined in Montana	4,375,749
Exported	2,033,526
Used for Fuel or Lost	4,316
TOTAL	6,413,591
IN STORAGE DECEMBER 31st	
By Producers	320,567
By Transporters	1,303,848
By Refiners	1,228,659
TOTAL STORAGE	2,853,074

NATURAL GAS WITHDRAWALS IN MONTANA
Month of December, 1972

Field	M. C. Ft.
Bell Creek	—0—
Big Coulee	167,593
Blackjack	58,782
Bowdoin	565,175
Bowes	30,777
Cabin Creek	95,928
Cedar Creek	2,217,394
Cut Bank (including Regan)	459,208
Dry Creek	68,021
Elk Basin	44,382
Flat Coulee	18,874
Gold Butte	—0—
Grandview	16,397
Hardin	721
Keith Block	164,053
Kevin Sunburst	48,551
Lake Basin	42,340
Liscom Creek	19,058
Middle Butte	1,101
Mt. Lilly	26,083
Pine	43,002
Plevna	8,681
South Devon	17,971
Tiger Ridge	2,469,699
Trail Creek	20,635
Utopia	60,292
West Butte	117,150
Whitlash	93,147
Miscecllaneous	156,185
TOTAL	7,031,200

Total Withdrawals for December, 1971, were 4,100,879.

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PRODUCERS REPORT — MONTH OF DECEMBER, 1972

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped By: Pipeline	Oil Shipped By: Truck	Used or Lost	Storage End of Month
3	Ash Creek	3	67	962	----	1,029	----	----
1	Bainville	1	2,715	2,723	----	2,488	----	2,950
4	Bear's Den	5	1,170	1,198	----	1,249	----	1,029
18	Bell Creek	258	22,151	604,896	602,840	----	6	24,201
1	Benrud	1	205	489	435	----	----	259
2	Benrud East	2	1,521	12,378	12,474	----	----	1,425
1	Benrud Northeast	1	788	1,921	1,531	----	----	1,178
----	Berthelote	----	334	----	----	----	----	334
5	Big Wall	11	1,587	4,343	4,999	----	----	931
5	Blackfoot	5	672	1,495	1,832	----	----	335
6	Border	10	1,434	541	----	768	----	1,207
1	Bowes	40	5,964	3,913	1,499	----	----	8,378
1	Bradley	1	633	539	786	----	----	386
----	Brady	----	102	----	----	----	102	----
4	Brorson-Madison	4	1,293	3,122	----	3,237	----	1,178
5	Brorson-Red River	5	4,470	8,500	----	8,500	----	4,470
3	Brorson-Red River South	3	1,827	4,500	----	4,500	----	1,827
1	Burns Creek	1	506	7,017	----	6,950	----	573
6	Brush Lake	6	1,319	14,889	13,420	----	----	2,788
2	Cabin Creek	90	----	261,541	261,541	----	----	----
1	Canal	1	454	6,500	----	6,500	----	454
11	Cat Creek	42	3,078	13,373	13,603	----	----	2,848
1	Chelsea	1	286	639	----	894	----	31
----	Clark's Fork	----	83	----	----	----	----	83
----	Clark's Fork South	----	287	----	----	----	----	287
1	Conrad South	1	----	410	410	----	----	----
2	Cow Creek	2	326	770	----	537	----	559
4	Cow Creek East	5	881	22,787	----	23,010	----	658
1	Culbertson	1	91	950	----	633	----	408
4	Cupton	7	5,010	9,072	7,195	814	----	6,073
118	Cut Bank	966	54,009	379,435	376,736	----	116	56,592
----	Dean Dome	----	65	----	----	----	----	65
1	Deer Creek	1	290	1,212	910	----	----	592
1	Delphia	1	560	273	----	205	----	628
----	Devil's Basin	----	115	----	----	----	----	115
3	Dwyer	12	5,383	14,568	15,537	----	----	4,414
3	Elk Basin	44	829	124,515	124,544	----	----	800
4	Elk Basin Northwest	8	1,267	2,868	2,813	----	----	1,322
5	Fairview	10	5,178	30,091	9,351	17,789	----	8,129
2	Fertile Prairie	2	699	753	----	832	----	620
5	Flat Coulee	20	2,772	6,878	6,915	----	----	2,735
29	Flat Lake	42	3,513	45,611	45,749	----	----	3,375
5	Flat Lake South	5	708	7,858	7,643	----	----	923
1	Four Buttes	1	315	437	----	439	----	313
1	Ft. Gilbert	2	191	19,775	19,800	----	----	166
1	Frannie	1	----	1,333	1,333	----	----	----
6	Fred & George Creek	30	2,121	63,336	63,769	----	----	1,688
1	Froid South	1	204	723	----	414	----	513
1	Gage	1	25	156	----	----	----	181
2	Gas City	17	6,103	21,105	15,551	5,300	342	6,015
2	Girard	2	1,215	2,319	----	1,603	----	1,931
11	Glendive	15	2,582	25,839	26,005	----	----	2,416
12	Goose Lake	30	2,361	28,214	26,522	----	272	3,781
7	Graben Coulee	14	6,131	5,986	1,172	4,418	----	6,527
1	Gypsy Basin	1	187	363	363	----	187	----
1	Hay Creek-Mission Canyon	1	112	1,192	1,254	----	----	50
2	Hay Creek-Red River	2	496	10,494	10,572	----	----	418
4	Hiawatha	4	2,164	6,416	6,232	----	----	2,348
----	Injun Creek	----	423	----	----	----	----	423
6	Ivanhoe	12	1,429	2,906	2,797	----	----	1,538
2	Jim Coulee	19	5,267	43,151	43,348	----	----	5,070
4	Keg Coulee	16	5,831	30,795	31,098	----	299	5,229
2	Keg Coulee North	2	571	1,823	1,328	----	----	1,066
2	Kelley	4	823	6,611	6,182	----	----	1,252
66	Kevin Sunburst	381	9,869	20,055	17,509	2,137	----	10,278
8	Laird Creek	10	611	3,037	----	3,187	8	453
1	Landslide Butte	2	779	400	415	----	----	764
3	Leary	3	1,846	2,263	----	1,438	7	2,664
1	Little Beaver	23	----	37,769	37,769	----	----	----
2	Little Beaver East*	11	2,306	12,530	12,256	----	----	2,580
1	Little Wall Creek	1	418	4,872	4,734	----	----	556
2	Lodge Grass	2	863	151	----	412	----	602
6	Lonetree Creek	6	3,383	33,612	----	32,523	----	4,472
3	Lookout Butte (Coral Creek)	30	259	58,727	58,575	----	----	411
1	Mason Lake	1	787	----	643	----	----	144
2	Melstone	3	518	1,840	954	----	----	1,404
1	Mineral Bench	1	547	398	412	----	----	533
11	Monarch	14	4,571	14,849	12,729	3,044	----	3,647
2	Mosser	2	----	360	----	360	----	----
1	Nohly	1	911	11,859	----	11,679	----	1,091
2	Otis Creek	3	529	7,936	----	7,114	----	1,351
6	Outlook	8	7,123	17,888	19,736	----	----	5,275
1	Outlook South	1	1,258	356	1,114	----	----	500
2	Outlook West	2	1,145	2,058	1,564	----	----	1,639
1	Pennel-Lookout Butte	112	----	172,170	172,170	----	----	----
4	Pine	108	16,485	238,775	238,247	----	----	17,013
59	Pondera	254	3,039	23,751	23,538	----	----	3,252
6	Poplar	64	8,273	43,423	41,471	----	----	10,225
2	Poplar Northwest	2	1,423	908	1,067	----	----	1,264
----	Prairie Elk	----	520	----	----	----	----	520
1	Pritchard Creek	1	167	353	353	----	----	167
1	Putnam	2	242	8,165	----	8,165	----	242
1	Rabbit Hills	1	559	1,305	----	836	----	1,028
3	Ragged Point	11	2,667	4,836	4,070	----	37	3,396
2	Rattlesnake Coulee	2	655	425	607	----	----	473
5	Raymond	5	1,842	29,861	28,974	----	----	2,729
3	Reagan	45	686	17,052	16,962	----	----	776
1	Red Creek	29	----	18,100	18,100	----	----	----
1	Red Fox	1	238	814	674	----	----	378
1	Redstone	1	334	1,350	1,419	----	----	265
1	Repeat	1	180	1,519	----	1,539	----	160
3	Reserve	4	428	5,478	5,341	----	----	565
----	Richey	----	319	----	----	----	----	319
1	Richey Southwest	5	251	1,377	----	1,306	----	322
----	Rough Creek	----	406	----	----	----	----	406
1	Rush Mountain	1	321	1,909	1,651	----	----	579
2	Salt Lake	3	545	3,495	----	3,602	----	438
4	Sand Creek	4	1,839	1,480	2,271	----	----	1,048
1	Second Creek	1	----	3,571	----	3,067	----	504
1	Snyder	4	315	774	----	625	----	464
6	Soap Creek	17	840	3,188	----	2,279	----	1,749
2	Spring Lake	2	1,456	1,876	----	1,678	----	1,654
2	Stensvad	5	3,456	34,855	34,325	----	----	3,986
13	Sumatra	75	21,756	98,694	98,562	----	----	21,888
5	Tule Creek	5	2,339	22,049	20,186	2,331	----	1,871
2	Tule Creek East	2	432	7,032	6,922	----	----	542
2	Tule Creek South	2	622	2,199	2,324	----	----	497
2	Vida	2	897	923	----	1,087	----	733
4	Volt	5	1,431	10,225	9,840	----	----	1,816
2	Weed Creek	3	614	1,206	1,357	----	6	457
3	Weldon	3	855	7,620	7,691	----	75	709
1	West Butte	1	----	1,028	----	1,028	----	----
15	Whitlash	36	7,368	8,930	8,217	----	----	8,081
----	Whitlash West	----	284	----	----	----	----	284
2	Willow Creek North	2	415	2,245	2,436	----	----	224
2	Wills Creek South	2	----	2,564	2,564	----	----	----
2	Wolf Springs	3	1,484	1,321	929	----	----	1,876
1	Woodrow	1	224	1,833	1,701	----	----	356
2	Wright Creek	3	2,234	171	----	----	----	2,405
----	Wildcat, Blaine Co.	----	157	----	----	----	----	157
----	Wildcat, McCone Co.	----	98	----	----	----	----	98
1	Wildcat, Toole Co.	1	202	207	----	207	----	202
635	Total	3,130	299,814	2,896,431	2,692,468	181,753	1,457	320,567

Total Oil Produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1971	34,598,723	94,791	34,623,678	94,859
First Quarter, 1972	8,240,945	90,560	8,211,215	90,233
Second Quarter, 1972	8,547,983	93,934	8,559,903	94,065
Third Quarter, 1972	8,529,531	92,712	8,544,381	92,874
October, 1972	2,890,814	93,252	2,868,080	92,519
November, 1972	2,798,435	93,281	2,803,585	93,453
December, 1972	2,896,431	93,433	2,874,221	92,717

Oil in Storage	In Producers Field Tanks	In Transporters Storage	In Refiners Storage**	Total Oil in Storage**
December, 1971	290,332	1,316,908	605,612	2,213,352
March, 1972	318,394	1,389,602	990,950	2,698,946
June, 1972	304,580	1,480,979	1,091,168	2,876,727
September, 1972	287,040	1,213,073	744,166	2,241,279
October, 1972	305,373	1,309,829	940,984	2,556,186
November, 1972	298,814	1,316,022	1,185,437	2,800,273
December, 1972	320,567	1,303,848	1,228,659	2,853,074

*Montana Oil Only **Includes Wyoming Oil

TRANSPORTERS REPORT — MONTH OF DECEMBER, 1972

	Storage First of Month	Oil Received By			Loss or Gain	Oil Shipped To			Storage End of Month
		Pipeline	Truck	Connecting Carrier		Montana	Other States	Connecting Carrier	
ASH CREEK—Western Crude Oil Co.			1,029				1,029		
BAINVILLE—Koch Oil Company			2,488				2,488		
BEAR'S DEN—Truck			1,249				1,249		
BELL CREEK—Pipeline	53,924	602,840					341,654	272,203	42,907
BIG WALL—Continental Pipeline Co.		4,999				4,999			
BLACKFOOT—Camerland Cardinal Corp.		1,832						1,832	
BORDER—Permian Corp.			768					768	
BOWES—Texaco		1,498				1,498			
BRORSON-MADISON, BRORSON-RED RIVER AND BRORSON-RED RIVER SOUTH—Koch Oil Company			16,237					16,237	
BURNS CREEK—Western Crude Oil, Inc.			6,950				6,950		
BRUSH LAKE—Portal Pipeline Co.		13,325					13,325		
CABIN CREEK AND OTHERS*—Butte Pipeline Co.	403,056	654,841	18,464	784,199			1,523,459		337,101
Shell Pipeline Co.	3,641	301,906			(2,282)			303,969	3,860
	406,697	956,747	18,464	784,199	(2,282)		1,523,459	303,969	340,961
CANAL—Koch Oil Company			6,500				6,500		
CAT CREEK—Continental Pipeline Co.		12,648				12,648			
CHELSEA—Western Crude Oil, Inc.			894					894	
COW CREEK AND COW CREEK EAST—Western Crude Oil, Inc.			23,547				23,547		
CULBERTSON—Spruce Oil Co.			633				633		
CUT BANK—Continental Pipeline Co.		591,944	6,228					598,172	
Phillips Petroleum Co.	23,290	131,534		73,543	1,184	166,664			60,519
Texas Pipeline Co.	13,300	35,014		64,802	(48)			98,619	14,545
Union Oil Co.	66,113	45,016			581	56,887			53,661
Western Oil Trans. Co.		46,096						46,096	
Western Oil Trans. Co. (Mouton)		141,087						141,087	
	102,703	990,691	6,228	138,345	1,717	223,551		883,974	128,725
DELPHIA—Truck			205			205			
DWYER—Portal Pipeline Co.		49,417					49,417		
ELK BASIN AND ELK BASIN NORTHWEST—Marathon Pipeline Co.		127,356				127,356			
FAIRVIEW—Fairview Pipeline Co.		9,351					9,351		
Koch Oil Company			17,789				17,789		
		9,351	17,789				27,140		
FLAT COULEE—Camerland Cardinal Corp.		6,658				6,658			
FLAT LAKE AND FLAT LAKE SOUTH—Portal Pipeline Co.		49,417					49,417		
FT. GILBERT—Fairview Pipeline Co.		19,799					19,799		
FOUR BUTTES—Truck			439					439	
FRANNIE—Interstate Pipeline Co.		1,333					1,333		
FRED AND GEORGE CREEK—Camerland Cardinal Corp.	7,451	35,354				24,232		7,289	11,284
FROID SOUTH—Truck			414					414	
GIRARD—Koch Oil Company			1,603				1,603		
GLENDIVE, DEER CREEK, WOODROW AND SAND CREEK—Texas Pipeline Co.	7,777	20,837			(124)			20,865	7,873
GOOSE LAKE—Portal Pipeline Co.		25,404					25,404		
HAY CREEK—Fairview Pipeline Co.		14,826					14,826		
HIAWATHA—Continental Pipeline Co.		5,900					5,900		
IVANHOE—Continental Pipeline Co.		3,215				3,215			
JIM COULEE—Continental Pipeline Co.		46,761						46,761	
KEG COULEE AND KEG COULEE NORTH—Continental Pipeline Co.		21,529				21,529			
KELLEY—Continental Pipeline Co.		5,860				5,860			
KEVIN SUNBURST—Big West Oil Co.	4,663	11,960				12,296			4,327
Homestake Oil & Gas Co.	2,363								4,327
Texas Pipeline Co.	10,059	5,978			61				15,976
	17,085	17,938			61	12,296			22,666
LEARY—Permian Corp.			1,438				1,438		
LODGE GRASS—Permian Corp.			412			412			
LONE TREE CREEK—Koch Oil Co.			32,523					32,523	
MASON LAKE—Continental Pipeline Co.		643				643			
MELSTONE—Continental Pipeline Co.		1,336				1,336			
MIDDLE WALL—Continental Pipeline Co.**		3,755						3,755	
MOSSER—Permian Corp.			360				360		
NOHLY—Koch Oil Co.			11,679				11,679		
OTIS CREEK—Western Crude Oil, Inc.			7,114				7,114		
OUTLOOK, OUTLOOK SOUTH AND OUTLOOK WEST—Portal Pipeline Co.		22,412					22,412		
PONDERA—Phillips Petroleum Co.	17,589	22,231			111	15,662			24,047
POPLAR, BEURUD, BENRUD EAST, RED FOX, REDSTONE—East Poplar Gathering System	13,834	59,254			552			56,894***	15,642
PUTNAM—Western Crude Oil, Inc.			8,165				8,165		
RABBIT HILLS—Truck			836				836		
RAGGED POINT—Continental Pipeline Co.		4,070				4,070			
RAYMOND—Portal Pipeline Co.		28,975					28,975		
RED CREEK—Western Oil Transportation Co.		19,451						19,451	
RESERVE—Portal Pipeline Co.		5,010					5,010		
RUSH MOUNTAIN—Sinclair Ref. Co.		1,306					1,306		
SALT LAKE—Koch Oil Company			3,602				3,602		
SECOND CREEK—Koch Oil Company			3,067					3,067	
SNYDER—Permian Corp.			625			625			
SOAP CREEK—Permian Corp.			2,279				2,279		
SPRING LAKE—Koch Oil Co.			1,678				1,678		
SUMATRA AND STENSVAD—Continental Pipeline Co.	684,891	132,224		3,152,825	2,581	118,182		3,145,719	703,458
TULE CREEK—Spruce Oil Co.	4,071	29,432				27,218			6,285
Permian Corp.			2,331			2,331			
	4,071	29,432	2,331			29,549			6,285
WEED CREEK AND WOLF SPRINGS—Continental Pipeline Co.		2,323				2,323			
WHITLASH AND WHITLASH WEST—Camberland Cardinal Corp.		10,541				9,297		1,244	
WILDCAT WELLS—Truck			207					207	
TOTAL	1,316,022	3,353,807	181,753	4,075,369	2,616	626,146	2,175,836	4,818,505	1,303,848

*Cabin Creek, Cupton, Fertile Prairie, Gas City, Monarch, Repeat, Richey, Richey Southwest, Vida, Weldon and Wills Creek South.
**Little Wall Creek and Willow Creek North.
***Transferred to Butte Pipeline Company.

BARRELS OF CRUDE OIL REFINED IN MONTANA
MONTH OF DECEMBER, 1972

	Big West Oil Co.	Continental Oil Co.	Diamond Asphalt Co.	Exxon	Farmers Union	Jet Fuel Refinery	Phillips Petroleum Co.	Spruce Oil Co.	Westco Refining Co.	Total
Big Wall		4,999								4,999
Cat Creek		3,046			10,757					13,803
Cut Bank	93,808						148,805		110,748	353,361
Elk Basin		48,826		36,505	42,025					127,356
Flat Coulee									6,658	6,658
Fred & George Creek	24,232									24,232
Ivanhoe		3,215								3,215
Keg Coulee		3,355		15,878	3,193					22,426
Kelley				5,860						5,860
Kevin Sunburst	12,296									12,296
Lodge Grass		412								412
Mason Lake		643								643
Melstone					1,336					1,336
Pondera							24,111			24,111
Ragged Point					4,070					4,070
Snyder		625								625
Sumatra & Stensvad		14,009		43,285	70,223					127,517
Tule Creek								61,285		61,285
Weed Creek				1,357						1,357
Whitlash							9,297			9,297
Wolf Springs				929						929
Total Montana Oil	130,336	79,130		103,814	131,604		182,213	61,285	117,406	805,788
Canadian Oil Imported		579,519		402,153	373,624					1,355,296
Wyoming Oil Imported		927,099		781,584	505,982					2,214,665
Total Montana, Canadian & Wyoming Oil	130,336	1,585,748		1,287,551	1,011,210		182,213	61,285	117,406	4,375,749

AVERAGE BARRELS PER DAY

	Montana	Canada	Wyoming	Total
Year, 1971	25,375	29,993	67,911	123,279
December, 1971	23,256	27,473	75,675	126,404
December, 1972	25,993	43,719	71,441	141,153

PERCENTAGE OF CRUDE OIL REFINED

	Montana	Canada	Wyoming
Year, 1971	20.58%	24.33%	55.09%
December, 1971	18.40%	21.73%	59.87%
December, 1972	18.42%	30.97%	50.61%